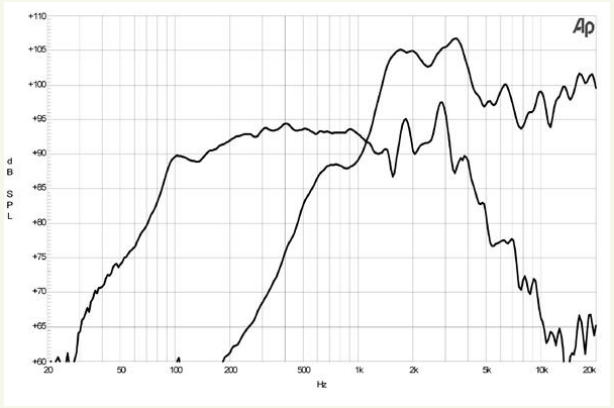
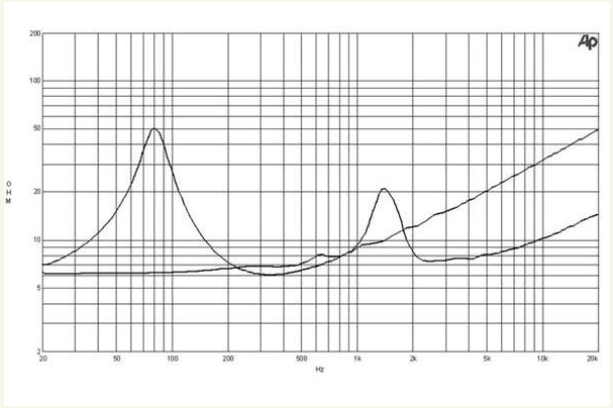
8CX21 | Coaxials

400 W continuous program power capacity
100° nominal coverage
75 – 20000 Hz response
94 dB sensitivity
XO-1 dedicated crossover network





Specifications

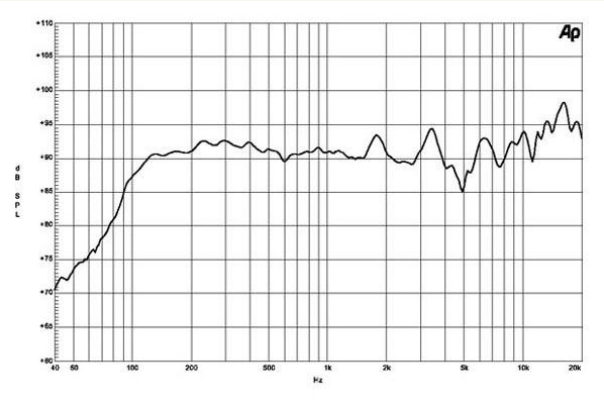
Nominal Diameter	210 mm (8 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.1 ohm (LF) 7.2 ohm (HF)
Frequency Range	75-20000 Hz
Dispersion Angle (1)	100°
LF Unit	
Sensitivity (1W/1m) (2)	94 dB
Nominal Power Handling (3)	200 W
Continuous Power Handling (4)	400 W
Voice Coil Diameter	52 mm (2 in)
Winding Material	Copper
HF Unit	
Sensitivity (1W/1m) (5)	101 dB
Nominal Power Handling (6)	25 W
Continuous Power Handling (7)	50 W
Voice Coil Diameter	36 mm (1.4 in)
Winding Material	Aluminium
Diaphragm Material	Mylar
Recom. Crossover (8)	2.2 kHz

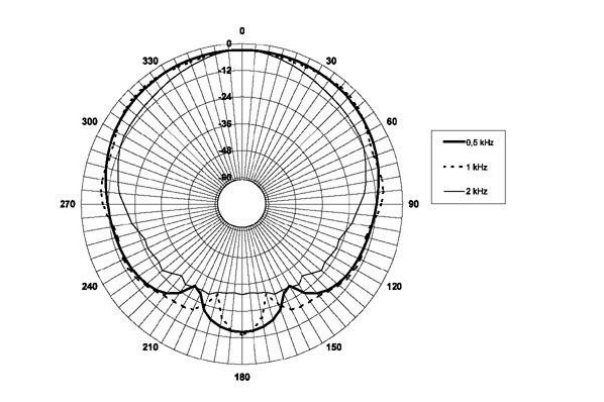
Parameters

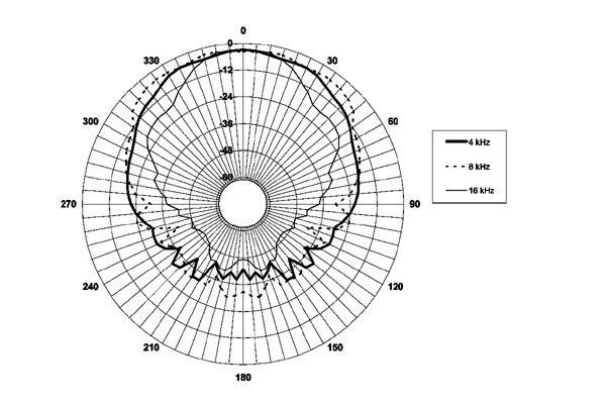
Fs	74 Hz
Re	5.2 ohm
Qes	0.39
Qms	4.1
Qts	0.36
Vas	15 dm3 (0.55 ft3)
Sd	220 cm2 (34.1 in2)
Eta Zero	1.5 %
Xmax	+/- 5 mm
Xvar	+/- 5.5 mm
Mms	21 g
Bl	11.5 Txm
Le	1.2 mH

Mounting and Shipping Info

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187 mm (7.4 in)
Depth	135 mm (5.3 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Net Weight	4 kg (8.8 lb)
Shipping Weight	4.7 kg (10.3 lb)
Shipping Box	260x260x170 mm (10.2x10.2x6.7 in)







Crossover

Model	XO-1
Filter Type	Two way
Nominal Impedance	8 Ohm
Crossover Frequency	2 kHz
Slope	12 dB/oct. (Low) 12 db/oct. (High)
Overall Dimensions	107x96 mm (4.2x3.8 in)
Weight	0.4 kg (0.9 lb)

[1]Included by –6 dB down points, averaged from 1 kHz to 8 kHz with B&C XO-1 crossover filter.
[2]Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance.
[3]2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified range . Power calculated on rated minimum impedance. Loudspeaker in free air.
[4]Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
[5]Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance.
[6]2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified range . Power calculated on rated minimum impedance. Loudspeaker in free air.
[7]Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
[8]12 dB/oct. or higher slope high-pass filter.